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text search and record processing and data descriptor and value descriptor

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1 Inverted files for text search engines

 Justin Zobel, Alistair Moffat
July 2006 ACM Computing Surveys (CSUR). Volume 38 Issue 2
Publisher: ACM

Full text available:  [pdf\(944.29 KB\)](#) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 206, Downloads (12 Months): 1896, Citation Count: 4

The technology underlying text search engines has advanced dramatically in the past decade. The development of a family of new index representations has led to a wide range of innovations in index storage, index construction, and query evaluation. While ...

Keywords: Inverted file indexing, Web search engine, document database, information retrieval, text retrieval

2 Streams, structures, spaces, scenarios, societies (5s): A formal model for digital libraries

 Marcos André Gonçalves, Edward A. Fox, Layne T. Watson, Neill A. Kipp
April 2004 ACM Transactions on Information Systems (TOIS). Volume 22 Issue 2
Publisher: ACM

Full text available:  [pdf\(316.85 KB\)](#) Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 53, Downloads (12 Months): 443, Citation Count: 13

Digital libraries (DLs) are complex information systems and therefore demand formal foundations lest development efforts diverge and interoperability suffers. In this article, we propose the fundamental abstractions of Streams, Structures, Spaces, Scenarios, ...

Keywords: applications., definitions, foundations, taxonomy

3 Dynamic entropy-compressed sequences and full-text indexes

 Veli Mäkinen, Gonzalo Navarro
June 2008 ACM Transactions on Algorithms (TALG). Volume 4 Issue 3
Publisher: ACM